

**B.Sc. IN ANAESTHESIA AND CRITICAL CARE  
TECHNOLOGY (BACT)**

**Term-End Examination  
December, 2012**

**BAHI-077 : REGIONAL ANAESTHESIA**

*Time : 3 hours*

*Maximum Marks : 70*

**PART-A**

1. Choose the most appropriate answer from the options given below each : **1x10=10**
- (a) Autonomic block can be assessed by :
- (i) Pin prick test
  - (ii) Bromage scale
  - (iii) Appreciation of cold
- (b) Intercostal nerve blocks are useful to relieve pain associated with :
- (i) Heart surgery
  - (ii) Rib fracture
  - (iii) Lung surgery
- (c) The dose of lignocaine without adrenaline as a local anaesthetic is :
- (i) 3 ml/kg
  - (ii) 5 ml/kg
  - (iii) 7 ml/kg

- (d) Cardiac arrhythmia can occur with :
  - (i) Lignocaine
  - (ii) Ropivacaine
  - (iii) Bupivacaine
- (e) Prevention of hypotension after spinal anaesthesia is by pre loading with :
  - (i) 10 - 20ml/kg of normal saline
  - (ii) 50ml/kg of normal saline
  - (iii) 1 - 2ml/kg of normal saline
- (f) The name of the epidural needle is
  - (i) Whitacve needle
  - (ii) Quincke's needle
  - (iii) Touhy's needle
- (g) Regional anaesthesia commonly used in a 1 year old child for herniotomy is :
  - (i) Candal block
  - (ii) Saddle block
  - (iii) Penile block
- (h) Epidural space is between :
  - (i) Piamater and arachnoid membrane
  - (ii) Druamater and arachnoid membrane
  - (iii) Druamater and ligamentum flavum
- (i) The drug used for I.V.R.A is :
  - (i) 0.5% Bupivacaine
  - (ii) 0.5% Lingnocaine
  - (iii) 0.5% hignocaimine with adrenaline
- (j) During brachial plexus block pneumothorax is move common with :
  - (i) axillary block
  - (ii) interscalene block
  - (iii) Supraclavicular block

2. Fill in the blanks.

1x10=10

- (a) \_\_\_\_\_ is a local anaesthetic with vasoconstrictor effect
- (b) Spinal cord ends at \_\_\_\_\_ level in children
- (c) Lower spinal nerve roots are called \_\_\_\_\_.
- (d) Lignocaine \_\_\_\_\_ or lignocaine \_\_\_\_\_ is used to anaesthetize the mouth and pharynx for laryngoscopy and bronchoscopy
- (e) The onset of post - dural puncture headache is usually \_\_\_\_\_ hours after the procedure
- (f) Bromage scale is used for testing \_\_\_\_\_ block after regional anaesthesia
- (g) Local anaesthetic agents block nerve conduction by decreasing the entry of \_\_\_\_\_ ions
- (h) Minimum safe dose of Bupivacaine is \_\_\_\_\_ mg/kg
- (i) \_\_\_\_\_ and \_\_\_\_\_ blocks are used for eye surgery
- (j) Epidural space is identified using \_\_\_\_\_ technique.

## PART-B

Answer *any five* of the following : 10x5=50

3. Draw the sacrum bone and name the parts. How will you give a caudal block ?
  4. Describe the factors affecting the nerve block.
  5. Describe the procedure of subarachnoid block for caesarian section.
  6. What are the different approaches and complications of brachial plexus block ?
  7. Enumerate the advantages and indicators of central neuraxial block
  8. How will you position the patient for giving spinal block (lateral and sitting) ?
  9. What are the adjuvants used (drug added) to local anaesthetics ? Enlist their advantages.
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